

ID Material:
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TF3025

THERMOFIBER 3025 is a high kevlar laminate consisting of resin impregnated textile material non-metallic, with aramid components. This friction is stable across all working temperatures.

THERMOFIBER 3025 provides excellent wear life and consistent control and engagement characteristics. It is well suited for geared brake discs in industrial machinery.

Material Data

Friction Properties (according to graphics)

Static Friction Coefficient (15bar, from box):	0.37±0.05	μ
Static Friction Coefficient (15bar, 100oC):	0.47±0.05	μ
Dynamic Friction Coefficient:	0.30±0.05	μ
Wear Rate:	25 (at 302 °F)	mm ³ /kwh
T° Fading:	>482	°F

Physical Properties

Hardness (DIN53505):	90±5	Shore-D
Specific Gravity (ASTM D792):	1.45±0.05	gr/cm3
Ignition Loss (ASTM D7348):	30±2	%
Acetone Extraction (ASTM D494):	3±0.2	%
Thermal Conductivity (ASTM E1952):	0.3±0.01	W/m°K

Mechanical Properties

Tensile Strength (ASTM D638):	47±5	N/mm ²
Compressive Strength (ISO 844:2014):	410±5	N/mm ²
Poisson Coefficient (ASTM D638):	0.255	
Young Modulus (ASTM D638):	13354±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	390	°F
T° Max. Intermittent Operation:	480	°F

Material Type : Rigid material

Appearance / Formats



Applications

Forging machinery - Heavy duty static applications - Heavy-duty industrial machinery - Holding Mechanical Structures - Machinery Mining industries -

Price Level : \$ \$ \$ \$

Reach (EC) 1907/2006 - RoHS 2011/65/EU : Compliance

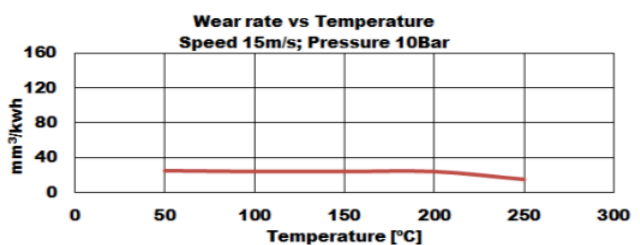
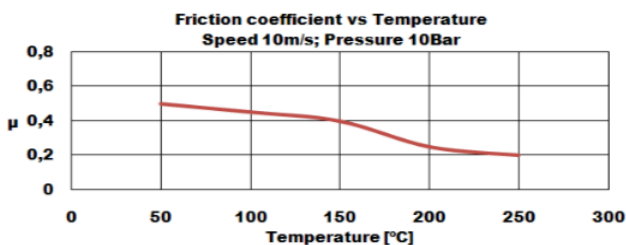
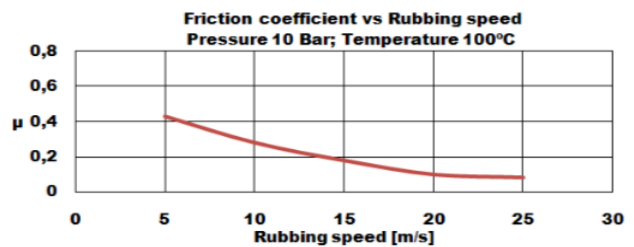
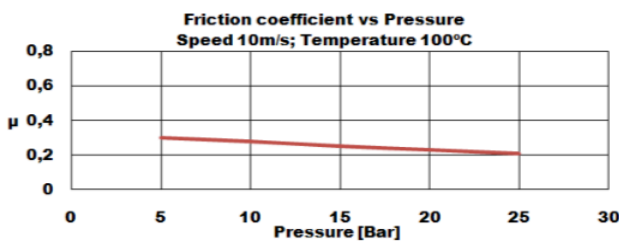
Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200

Recommended Adhesives: Thermosetting adhesive

Oil Resistant: Yes

The above data is taken from specific test parameters therefore results can vary in different application conditions



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.